

[illegible]

Technical drawing of a bridge section (Corte A) showing a 12m wide deck with 5 lanes (2.5m x 6m each). The drawing includes dimensions for the deck, abutments, and piers. The total length is 120m. The drawing is labeled "Corte A" and "Escala 1:20".

[illegible]

Technical drawing of a reinforced concrete beam cross-section and elevation.

Cross-section details:

- Top reinforcement: 2N20616 c=40
- Bottom reinforcement: 1N2716 c=35
- Bottom reinforcement: 2N2547.2 c=100
- Beam width: 250
- Beam height: 500

Elevation details:

- Left section: 15m x 1N2396.3c/18
- Middle section: 1N2396.3c/18
- Right section: 35m x 1N2396.3c/18
- Detail: 25 x 50

Technical drawing of a staircase (Escada) showing a plan view and a section view (Corte A). The plan view shows a staircase with a total width of 182, a total length of 20, and a total height of 14. It includes dimensions for the treads (20) and risers (14). The section view shows a single step with a tread of 20 and a riser of 14. The drawing is labeled "Corte A Escala 1:20".

Technical drawing of a bridge structure, showing a plan view and a cross-section.

Plan View:

- Span 1: 2635m ± 0.00
- Span 2: 2635m ± 0.00
- Span 3: 2635m ± 0.00
- Span 4: 2635m ± 0.00
- Span 5: 2635m ± 0.00
- Span 6: 2635m ± 0.00
- Span 7: 2635m ± 0.00
- Span 8: 2635m ± 0.00
- Span 9: 2635m ± 0.00
- Span 10: 2635m ± 0.00
- Span 11: 2635m ± 0.00
- Span 12: 2635m ± 0.00
- Span 13: 2635m ± 0.00
- Span 14: 2635m ± 0.00
- Span 15: 2635m ± 0.00
- Span 16: 2635m ± 0.00
- Span 17: 2635m ± 0.00
- Span 18: 2635m ± 0.00
- Span 19: 2635m ± 0.00
- Span 20: 2635m ± 0.00
- Span 21: 2635m ± 0.00
- Span 22: 2635m ± 0.00
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- Span 94: 2635m ± 0.00
- Span 95: 2635m ± 0.00
- Span 96: 2635m ± 0.00
- Span 97: 2635m ± 0.00
- Span 98: 2635m ± 0.00
- Span 99: 2635m ± 0.00
- Span 100: 2635m ± 0.00

Corte A (Cross-section):

- Width: 26.35m
- Height: 3.15m
- Scale: 1:20

Technical drawing of a bridge structure showing various spans, piers, and dimensions. The drawing includes labels for piers (P22, P15, P12, P3, P), spans (e.g., 2N46412.5 C=105, 2N46412.5 C=1130), and cross-sections (A, B, C, D, E). A scale bar indicates 1:20. A note on the right states "Corte A Escala 1:20".

Elemento	Pos.	diagn.	Costo (€)	Rel. (Cm)	Rel. (Cm)	Comp. (Cm)	Total (Cm)	(CA-SR) - (CA-GR)	(CA-GR) - (CA-GR)
V8 1010-1018	2	6.16	4	191	1041	1000	4426	66.57	
	3	6.16	4	191	1041	1000	4426	66.57	
	4	6.16	4	191	1135	270	200	15.70	
	5	6.16	4	191	1028	1000	4426	66.57	
	6	6.16	4	240	440	1700	275	1.88	
	7	6.16	4	240	440	1700	275	1.88	
	8	6.12.5	4	235	240	1800	1040	1.40	
	9	6.12.5	4	235	240	1800	1040	1.40	
	10	6.12.5	4	235	240	1800	1040	1.40	
	11	6.16	3	216	29	159	2578	60.89	
	12	6.16	3	216	29	159	2578	60.89	
V8 102	13	6.16	2	319	12	319	638	6.66	
	14	6.16	2	319	12	319	638	6.66	
	15	6.16	2	319	12	319	638	6.66	
V8 103	16	6.12.5	4	719	19	757	1000	28.31	
	17	6.16	2	319	12	319	638	6.66	
	18	6.16	2	319	12	319	638	6.66	
V8 104	19	6.16	2	148	12	148	12	1.88	
	20	6.16	2	148	12	148	12	1.88	
	21	6.16	2	148	12	148	12	1.88	
V8 105	22	6.12.5	2	180	175	86	180	1.50	
	23	6.16	2	128	27	310	930	2.84	
	24	6.16	2	128	27	310	930	2.84	
	25	6.16	2	128	27	310	930	2.84	
	26	6.16	2	128	27	310	930	2.84	
	27	6.16	2	128	27	310	930	2.84	
	28	6.16	2	128	27	310	930	2.84	
	29	6.16	2	128	27	310	930	2.84	
	30	6.16	2	128	27	310	930	2.84	
	31	6.16	2	128	27	310	930	2.84	
	32	6.16	2	128	27	310	930	2.84	
V8 106-108	33	6.16	2	177	12	177	12	1.88	
	34	6.16	2	177	12	177	12	1.88	
	35	6.16	2	177	12	177	12	1.88	
V8 107	36	6.16	2	1028	26	1068	216	13.41	
	37	6.16	2	1028	26	1068	216	13.41	
	38	6.16	2	1028	26	1068	216	13.41	
	39	6.16	2	1028	26	1068	216	13.41	
	40	6.16	2	1028	26	1068	216	13.41	
	41	6.16	2	1028	26	1068	216	13.41	
	42	6.16	2	1028	26	1068	216	13.41	
	43	6.16	2	1028	26	1068	216	13.41	
	44	6.16	2	1028	26	1068	216	13.41	
	45	6.16	2	1028	26	1068	216	13.41	
	46	6.16	2	1028	26	1068	216	13.41	
V8 110	47	6.16	2	1000	1000	4426	26.56		
	48	6.16	2	1000	1000	4426	26.56		
	49	6.16	2	1000	1000	4426	26.56		
V8P 101	50	6.16	2	1000	1000	4426	26.56		
	51	6.16	2	1000	1000	4426	26.56		
	52	6.16	2	1000	1000	4426	26.56		
	53	6.16	2	1000	1000	4426	26.56		
	54	6.16	2	644	666	1322	21.02		
	55	6.12.5	2	644	666	1322	21.02		
	56	6.12.5	2	644	666	1322	21.02		
	57	6.16	2	1000	1000	4426	26.56		
	58	6.16	2	1000	1000	4426	26.56		
	59	6.16	2	1000	1000	4426	26.56		
	60	6.16	2	1000	1000	4426	26.56		
V8P 102	61	6.16	2	1000	1000	4426	26.56		
	62	6.12.5	4	857	12	857	12	1.88	
	63	6.12.5	4	857	12	857	12	1.88	
V8P 103	64	6.16	2	238	12	238	12	1.88	
	65	6.12.5	4	857	12	857	12	1.88	
	66	6.12.5	4	857	12	857	12	1.88	
V8P 104	67	6.16	2	238	12	238	12	1.88	
	68	6.12.5	4	857	12	857	12	1.88	
	69	6.12.5	4	857	12	857	12	1.88	
V8P 105	70	6.16	2	238	12	238	12	1.88	
	71	6.12.5	4	857	12	857	12	1.88	
	72	6.12.5	4	857	12	857	12	1.88	
V8P 106	73	6.16	2	238	12	238	12	1.88	
	74	6.12.5	4	857	12	857	12	1.88	
	75	6.12.5	4	857	12	857	12	1.88	
V8P 107	76	6.16	2	238	12	238	12	1.88	
	77	6.12.5	4	857	12	857	12	1.88	
	78	6.12.5	4	857	12	857	12	1.88	
V8P 108	79	6.16	2	238	12	238	12	1.88	
	80	6.12.5	4	857	12	857	12	1.88	
	81	6.12.5	4	857	12	857	12	1.88	
V8P 109	82	6.16	2	238	12	238	12	1.88	
	83	6.12.5	4	857	12	857	12	1.88	
	84	6.12.5	4	857	12	857	12	1.88	
V8P 110	85	6.16	2	238	12	238	12	1.88	
	86	6.12.5	4	857	12	857	12	1.88	
	87	6.12.5	4	857	12	857	12	1.88	
V8P 111	88	6.16	2	238	12	238	12	1.88	
	89	6.12.5	4	857	12	857	12	1.88	
	90	6.12.5	4	857	12	857	12	1.88	
V8P 112	91	6.16	2	238	12	238	12	1.88	
	92	6.12.5	4	857	12	857	12	1.88	
	93	6.12.5	4	857	12	857	12	1.88	
V8P 113	94	6.16	2	238	12	238	12	1.88	
	95	6.12.5	4	857	12	857	12	1.88	
	96	6.12.5	4	857	12	857	12	1.88	
V8P 114	97	6.16	2	238	12	238	12	1.88	
	98	6.12.5	4	857	12	857	12	1.88	
	99	6.12.5	4	857	12	857	12	1.88	
V8P 115	100	6.16	2	238	12	238	12	1.88	
	101	6.12.5	4	857	12	857	12	1.88	
	102	6.12.5	4	857	12	857	12	1.88	
V8P 116	103	6.16	2	238	12	238	12	1.88	
	104	6.12.5	4	857	12	857	12	1.88	
	105	6.12.5	4	857	12	857	12	1.88	
V8P 117	106	6.16	2	238	12	238	12	1.88	
	107	6.12.5	4	857	12	857	12	1.88	
	108	6.12.5	4	857	12	857	12	1.88	
V8P 118	109	6.16	2	238	12	238	12	1.88	
	110	6.12.5	4	857	12	857	12	1.88	
	111	6.12.5	4	857	12	857	12	1.88	
V8P 119	112	6.16	2	238	12	238	12	1.88	
	113	6.12.5	4	857	12	857	12	1.88	
	114	6.12.5	4	857	12	857	12	1.88	
V8P 120	115	6.16	2	238	12	238	12	1.88	
	116	6.12.5	4	857	12	857	12	1.88	
	117	6.12.5	4	857	12	857	12	1.88	
V8P 121	118	6.16	2	238	12	238	12	1.88	
	119	6.12.5	4	857	12	857	12	1.88	
	120	6.12.5	4	857	12	857	12	1.88	
V8P 122	121	6.16	2	238	12	238	12	1.88	
	122	6.12.5	4	857	12	857	12	1.88	
	123	6.12.5	4	857	12	857	12	1.88	
V8P 123	124	6.16	2	238	12	238	12	1.88	
	125	6.12.5	4	857	12	857	12	1.88	
	126	6.12.5	4	857	12	857	12	1.88	
V8P 124	127	6.16	2	238	12	238	12	1.88	
	128	6.12.5	4	857	12	857	12	1.88	
	129	6.12.5	4	857	12	857	12	1.88	
V8P 125	130	6.16	2	238	12	238	12	1.88	
	131	6.12.5	4	857	12	857	12	1.88	
	132	6.12.5	4	857	12	857	12	1.88	
V8P 126	133	6.16	2	238	12	238	12	1.88	
	134	6.12.5	4	857	12	857	12	1.88	
	135	6.12.5	4	857	12	857	12	1.88	
V8P 127	136	6.16	2	238	12	238	12	1.88	
	137	6.12.5	4	857	12	857	12	1.88	
	138	6.12.5	4	857	12	857	12	1.88	
V8P 128	139	6.16	2	238	12	238	12	1.88	
	140	6.12.5	4	857	12	857	12	1.88	
	141	6.12.5	4	857	12	857	12	1.88	
V8P 129	142	6.16	2	238	12	238	12	1.88	
	143	6.12.5	4	857	12	857	12	1.88	
	144	6.12.5	4	857	12	857	12	1.88	
V8P 130	145	6.16	2	238	12	238	12	1.88	
	146	6.12.5	4	857	12	857	12	1.88	
	147	6.12.5	4	857	12	857	12	1.88	
V8P 131	148	6.16	2	238	12	238	12	1.88	
	149	6.12.5	4	857	12	857	12	1.88	
	150	6.12.5	4	857	12	857	12	1.88	
V8P 132	151	6.16	2	238	12	238	12	1.88	
	152	6.12.5	4	857	12	857	12	1.88	
	153	6.12.5	4	857	12	857	12	1.88	
V8P 133	154	6.16	2	238	12	238	12	1.88	
	155	6.12.5	4	857	12	857	12	1.88	
	156	6.12.5	4	857	12	857	12	1.88	
V8P 134	157	6.16	2	238	12	238	12	1.88	
	158	6.12.5	4	857	12	857	12	1.88	
	159	6.12.5	4	857	12	857	12	1.88	
V8P 135	160	6.16	2	238	12	238	12	1.88	
	161	6.12.5	4	857	12	857	12	1.88	
	162	6.12.5	4	857	12	857	12	1.88	
V8P 136	163	6.16	2	238	12	238	12	1.88	
	164	6.12.5	4	857	12	857	12	1.88	
	165	6.12.5	4						

ARMAÇÃO DOS BLOCOS B.1=B.2=B.3=B.4=B.5=B.6
B.7=B.8=B.9=B.10=B.11=B.12=B.13=B.14 (14X)
Escala 1:50

